CLAIMS

What is claimed is:

1.   A communications and data display system comprising:

a projection system including a transceiver and a controller, and

a first data appliance including a transceiver, wherein

    the transceiver of the first data appliance transfers graphical data to the transceiver of the projection system,

    the projection system displays the graphical data, and

    the transfer and the display of the graphical data is controlled by the controller.

2.   The communications and data display system of claim 1, further comprising: a second data appliance including a transceiver, wherein

    the transceiver of the first data appliance transfers a first signal to the transceiver of the projection system,

    the transceiver of the projection system transfers the first signal to the transceiver of the second data appliance, and

    the transfer of the first signal from the first data appliance to the second data appliance is controlled by the controller.

3.   The communications and data display system of claim 2, wherein

    the transceiver of the second data appliance transfers a second signal to the transceiver of the projection system,

the transceiver of the projection system transfers the second signal to the transceiver of the first data appliance, and

the transfer of the second signal from the second data appliance to the first data appliance is controlled by the controller.

4.   The communications and data display system of claim 1, wherein

the projection system further comprises an interface to an external network,

the transceiver of the first data appliance transfers a first signal to the transceiver of the projection system,

the transceiver of the projection system transfers the first signal to the external network, and

the transfer of the first signal from the first data appliance to the external network is controlled by the controller.

5.   The communications and data display system of claim 4, wherein

the external network transfers a second signal to the transceiver of the projection system,

the transceiver of the projection system transfers the second signal to the transceiver of the first data appliance,

the transfer of the second signal from the external network to the first data appliance is controlled by the controller.

6.   The communications and data display system of claim 1, wherein

the first data appliance further comprises a graphics chip, a processing unit, a memory and a MUX,

the processing unit takes keyboard input from a local keyboard,

the processing unit takes memory graphics input from the memory and provides processing-unit memory output to the memory,

the processing unit provides processing-unit graphics output to the graphics chip and the MUX,

the processing unit provides processing-unit control output to the MUX

the graphics chip provides graphics-chip output to a local display and to the MUX, and

the MUX provides MUX output to the first-data-appliance transceiver, the MUX output having a compression format selected from the group consisting of compressed and uncompressed.

7.   The communications and data display system of claim 1, wherein

the projection system further comprises a graphics converter and a projector,

the graphics converter receives the graphical data from the projection-system transceiver and transfers uncompressed graphical data to the projector, and

the projector displays the uncompressed graphical data.

8.   The communications and data display system of claim 7, wherein the graphics converter includes an application-aware graphics chip that transforms compressed graphics data to uncompressed graphics data.

9.   The communications and data display system of claim 8, wherein

the compressed graphical data includes compressed motion graphics or video data, and

the uncompressed graphical data includes uncompressed motion graphics or video data.

10.   A communications and data display system comprising:

a projection system including a receiver and a controller, and

a first data appliance including a transmitter, wherein

the transmitter of the first data appliance transfers graphical data to the receiver of

the projection system,

the projection system displays the graphical data, and

the transfer and the display of the graphical data is controlled by the controller.

11.   The communications and data display system of claim 10, wherein

the first data appliance further comprises a graphics chip, a processing unit, a memory

and a MUX,

the processing unit takes keyboard input from a local keyboard,

the processing unit takes memory graphics input from the memory and provides

processing-unit memory output to the memory,

the processing unit provides processing-unit graphics output to the graphics chip and the

MUX,

the processing unit provides processing-unit control output to the MUX

the graphics chip provides graphics-chip output to a local display and to the MUX, and

the MUX provides MUX output to the first-data-appliance transceiver, the MUX output

having a compression format selected from the group consisting of compressed and

uncompressed.

12. The communications and data display system of claim 10, wherein

the projection system further comprises a graphics converter and a projector,

the graphics converter receives the graphical data from the projection-system transceiver

and transfers uncompressed graphical data to the projector, and

the projector displays the uncompressed graphical data.

13. The communications and data display system of claim 12, wherein the graphics converter

includes an application-aware graphics chip that transforms compressed graphics data to

uncompressed graphics data.

14. A method for communication and data display, comprising:

transmitting graphical data from a transceiver of a first data appliance to a transceiver of

a projection system,

displaying the graphical data with the projection system, and

controlling the transmitting of the graphical data and the displaying of the graphical data

with a controller.

15. The method of claim 14, further comprising:

transmitting a first signal from the transceiver of the first data appliance to the transceiver of the projection system,

transmitting the first signal from the transceiver of the projection system to a transceiver of a second data appliance, and

controlling the transmission of the first signal from the first data appliance to the second data appliance with the controller.

16. The method of claim 15, further comprising:

transmitting a second signal from the transceiver of the second data appliance to the transceiver of the projection system,

transmitting the second signal from the transceiver of the projection system to the transceiver of the second data appliance, and

controlling the transmission of the second signal from the second data appliance to the first data appliance with the controller.

17. The method of claim 14, further comprising:

transmitting a first signal from the transceiver of the first data appliance to the transceiver of the projection system,

transmitting the first signal from the transceiver of the projection system to an external network, the projection system including an interface to the external network, and

controlling the transmission of the first signal from the first data appliance to the external network with the controller.

18.   The method of claim 17, further comprising:

transmitting a second signal from the external network transfers to the transceiver of the

projection system,

transmitting the second signal from the transceiver of the projection system to the

transceiver of the first data appliance,

controlling the transmission of the second signal from the external network to the first

data appliance with the controller.

19.   The method of claim 14, further comprising:

transmitting keyboard input from a local keyboard to the first data appliance;

converting compressed graphical data to uncompressed graphical data at the first data

appliance; and

controlling a flow of uncompressed graphical data and compressed graphical data to the

transceiver of the first data appliance.

20   The method of claim 19, wherein

the compressed graphical data includes compressed motion graphics or video data, and

the uncompressed graphical data includes uncompressed motion graphics or video data.

21.   The method of claim 14, further comprising:

converting compressed graphical data to uncompressed graphical data at the projection

system;

controlling a flow of uncompressed graphical data to a projector of the projection system; and

using the projector to display uncompressed graphical data.

22.   The method of claim 21, wherein converting compressed graphical data to uncompressed graphical data includes using an application-aware graphics chip to transform compressed graphical data to uncompressed graphical data.